

ABSTRACT OF THE DISCLOSURE

PROCESS AND DEVICE FOR CALCULATING THE POSITION OF A
MOBILE STATION, CORRESPONDING COMPUTER PROGRAM AND
MEMORY MEDIUM

The invention relates to a process for calculating the position of a mobile station (MS) belonging to a cellular radiocommunication system, starting from an identifier of a current geographic cell in which the 5 said mobile station is located. The process according to the invention includes the following steps: calculate a modelled geographic representation (5) of the current cell; calculate the barycentre (6) of the said modelled geographic representation of the current 10 cell; calculate an uncertainty area (7), with a predetermined geometric shape, centred on the said barycentre and the area of which is approximately equal to the area of the said modelled geographic representation of the current cell. The position of the 15 mobile station is defined by the said barycentre, with an uncertainty equal to the said uncertainty area.

Fig.1